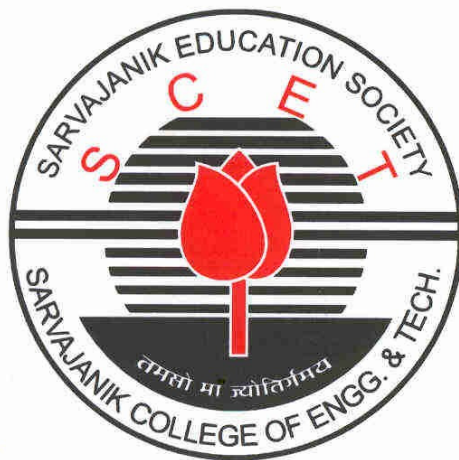


Sarvajanik Education Society
Sarvajanik College of Engineering & Technology, Surat



Department of Electrical Engineering

**Expert Talk
On
“Voltage Stability Assessment of Power System”**

An Expert talk has been arranged to target the students of M.E. - I and B.E. - IV year, Department of Electrical engineering covering the subjects of Power System Analysis & Inter Connected Power System. Objective of the talk was to give brief idea about Voltage Stability of Power System.

Resource Person: Dr.Ritesh R. Patel, Professor, EED,GCET, V.V.Nagar

Venue: N J Seminar Hall

Date & Time: 25th September 2018, 10:30 am onwards

Participants: (90 +) 1st Year Postgraduate Students & 4th Year Undergraduate Students

Brief Introduction of Speaker:

Prof. (Dr.) Ritesh R. Patel is currently serving as Professor at G H Patel College of Engineering & Technology, Vallabh Vidhyanagar with total experience of 19 years. He has completed his masters from M S University, Vadodara & has a Ph.D. in High Voltage Engineering from the renowned Indian Institute of Technology, Kanpur. He has published 5 papers in International Journals & Presented 12 papers in Nation/International Conferences. He has also received DEIS-IEEE Fellowship Award for the year 2008-2009. He has been awarded IEEE- Dielectric and Electrical Insulation Society (DEIS) scholarship in 2009 & 2010. His areas of interest are related with power system subjects.

Session Summary:

The Expert Lecture on “Voltage Stability Assessment of Power System” was organized by Department of Electrical Engineering. The session commenced with welcome speech addressed to the audience by **Prof. Naman B. Bhatt**.

Prof. Naman B. Bhatt gave a brief introduction of Prof. (Dr.) Ritesh R. Patel and **Prof. (Dr.) Shabbir S. Bohra** felicitated him with flowers as a token of love and affection.

Prof. (Dr.) Ritesh R. Patel explained Basics of Power System & type of energy in detail. He explains classification of power system stability. He taken practical example of ball moving in bowl and explain instability region. He also told some interesting analogy of Power System Network to Human body. Professor than explain different factor contributing to voltage instability. After these he explains voltage collapse phenomenon. He then discuss about different methods of static voltage stability analysis.

Lastly he explains practical measure to improve voltage stability of power system.

The talk session by Prof (Dr.) Ritesh R. Patel proved to be very informative and beneficial to 1st year PG & 4th UG students. Excellent coverage of topic with correlation of field interpretation by Prof. (Dr.) Ritesh R. Patel proved to be very interesting to students.

Prof Sidhdhi Patel concluded the session by vote of thanks on behalf of Department of Electrical Engineering.

This is how one more successful event has been credited to the Department of Electrical Engineering.

Glimpses of the Event:

